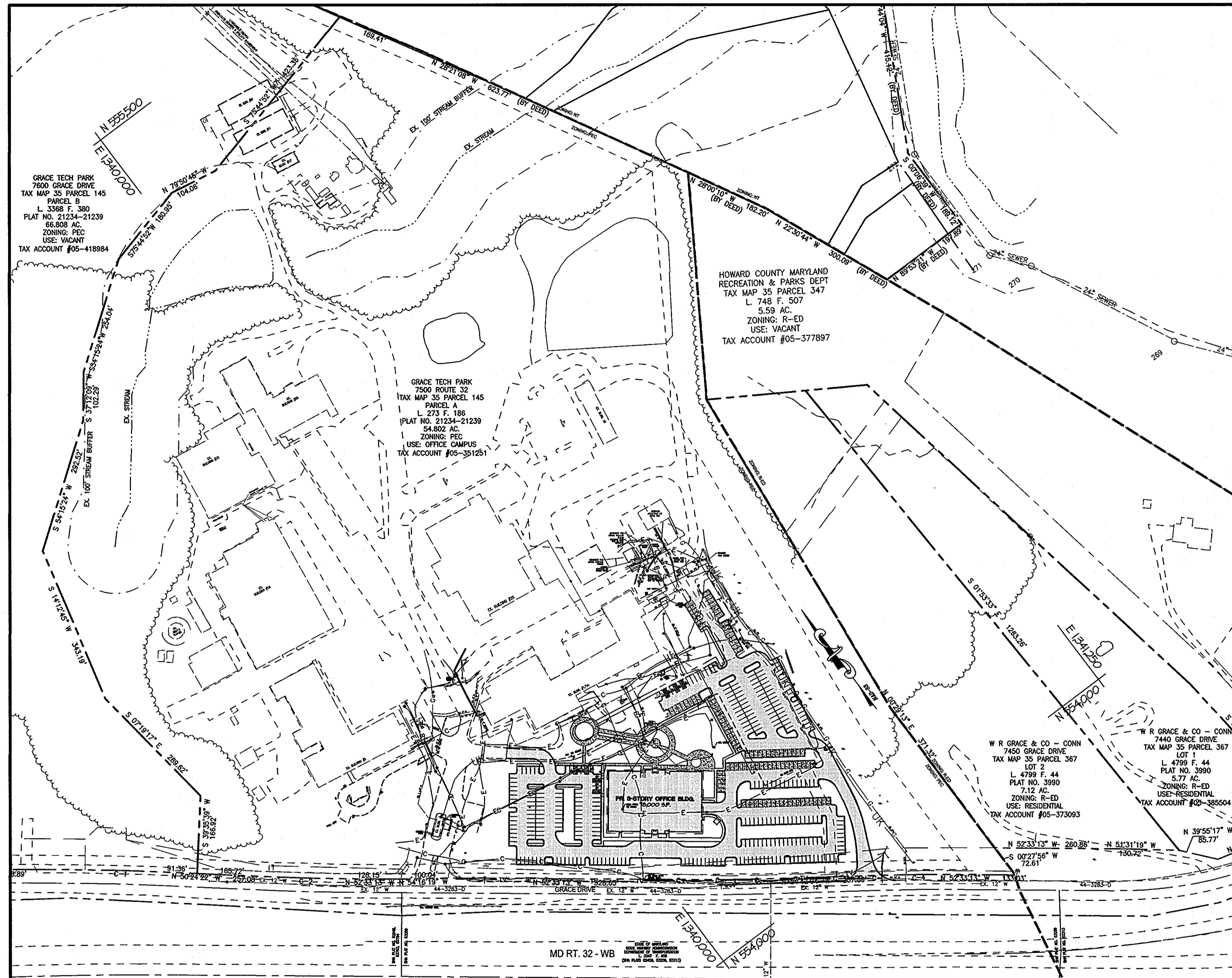


GRACE TECH PARK, PARCEL A OFFICE BUILDING ENVIRONMENTAL CONCEPT PLAN HOWARD COUNTY, MARYLAND

GENERAL NOTES

- THIS PROJECT IS IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS.
- THE EXISTING TOPOGRAPHY IS A COMBINATION OF AERIAL GIS SURVEY AND FIELD RUN SURVEY WITH 2' CONTOUR INTERVALS PREPARED BY MORRIS & RITCHE ASSOCIATES, INC. DATED JULY 3, 2008.
- THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM. HOWARD COUNTY MONUMENT NOS. 35HA AND 35HB WERE USED FOR THIS PROJECT.
- ALL PROPOSED WATER IS PRIVATE, CONNECTING TO EXISTING ONSITE PRIVATE WATER. EXISTING ONSITE PRIVATE WATER IS SERVICED THROUGH AN EXISTING PUBLIC METER OFF OF PUBLIC 12" WATER MAIN (44-3283-D) LOCATED ON GRACE DRIVE.
- ALL PROPOSED SEWER IS PRIVATE, CONNECTING TO EXISTING ONSITE PRIVATE SEWER. EXISTING ONSITE PRIVATE SEWER IS SERVICED BY EXISTING PUBLIC 24" SEWER MAIN, CONT. 30-1002.
- THIS PROJECT UTILIZES ENVIRONMENTAL SITE DESIGN FOR ALL STORM WATER MANAGEMENT PRACTICES. ALL SWM DEVICES WILL BE PRIVATELY OWNED AND MAINTAINED.
- EXISTING UTILITIES ARE BASED ON FIELD RUN SURVEYS BY AI DATA, DATED 9/23/11, AND MORRIS & RITCHE ASSOCIATES, INC. DATED JULY 3, 2008.
- THERE IS NO FLOODPLAIN ON THIS SITE.
- THERE ARE NO WETLANDS OR STEEP SLOPES BEING IMPACTED ON THIS PROJECT.
- THE TRAFFIC STUDY FOR THIS PROJECT WAS PREPARED BY THE TRAFFIC GROUP, DATED JULY 15, 2011.
- NO NOISE STUDY IS REQUIRED FOR THIS PROJECT.
- THE GEOTECHNICAL REPORT FOR THIS PROJECT WAS PREPARED BY GEO-TECHNOLOGY ASSOCIATES, INC., DATED SEPTEMBER 24, 2008.
- BOUNDARY INFORMATION IS BASED ON A FIELD RUN BOUNDARY SURVEY PERFORMED BY MORRIS & RITCHE ASSOCIATES, INC. IN NOVEMBER, 2008, AND MDR PLAT NO. 21234, RECORDED AUGUST 12, 2010.
- THE APPROVAL OF THIS ENVIRONMENTAL CONCEPT PLAN (ECP) DOES NOT CONSTITUTE ANY APPROVAL OF ANY SUBSEQUENT AND ASSOCIATED SUBDIVISION PLAT/PLAN AND/OR SITE DEVELOPMENT PLAN AND/OR RED-LINE REVISION PLAN. REVIEW OF THIS PROJECT FOR COMPLIANCE WITH THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE HOWARD COUNTY ZONING REGULATIONS SHALL OCCUR AT THE SUBDIVISION PLAT/PLAN AND/OR SITE DEVELOPMENT PLAN STAGES AND/OR RED-LINE REVISION PLAN PROCESS. THEREFORE, THE APPLICANT AND CONSULTANT SHOULD EXPECT ADDITIONAL AND MORE DETAILED REVIEW COMMENTS (INCLUDING COMMENTS THAT MAY ALTER THE OVERALL SITE DESIGN) AS THIS PROJECT PROGRESSES THROUGH THE PLAN REVIEW PROCESS.
- THIS ECP IS SUBJECT TO THE CONDITIONS OF APPROVAL FOR WAIVER PETITION WP-09-227, DATED 7/15/09 AS FOLLOWS:
 - A COMPLETED FOREST CONSERVATION "DECLARATION OF INTENT FOR SUBDIVISION FOR REAL ESTATE TRANSACTION" HAS BEEN SUBMITTED WITH THE FINAL SUBDIVISION PLAT, AND;
 - ANY RESUBDIVISION PLAT SUBMISSION OR SITE DEVELOPMENT PLAN SUBMISSION FOR PARCEL A OR PARCEL B SHALL BE TESTED FOR ADEQUATE ROAD FACILITIES AND INCLUDE FOREST STAND DELINEATION, FOREST CONSERVATION AND LANDSCAPE PLANS FOR THE ENTIRE PARCEL PER THE REQUIREMENTS OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE FINAL PLAN OR SITE DEVELOPMENT PLAN APPLICATION AND CHECKLIST, AND;
 - ANY RESUBDIVISION PLAT SUBMISSION OR SITE DEVELOPMENT PLAN SUBMISSION FOR PARCEL A OR PARCEL B SHALL INDICATE/DELINEATE ANY FLOODPLAIN, 100 YEAR FLOODPLAIN, DRAINAGE AND UTILITY EASEMENTS, WETLANDS, WETLAND BUFFERS, STREAMS AND STREAM BUFFERS PER THE REQUIREMENTS OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE FINAL PLAN OR SITE DEVELOPMENT PLAN APPLICATION AND CHECKLIST, AND;
 - ALL REGULATIONS AS REQUIRED BY SECTIONS 16.144(B), 16.144(D) AND 16.110(A) SHALL BE COMPLIED WITH UPON RESUBDIVISION AND/OR ADDITIONAL DEVELOPMENT OF THE SUBJECT PROPERTY.



LOCATION PLAN
SCALE: 1" = 150'

LEGEND

- EX. PROPERTY LINE
- - - EX. ADJACENT PROPERTY LINE
- EX. RIGHT OF WAY
- EX. EASEMENT
- EX. ZONING LINE
- EX. CONCRETE
- EX. CONCRETE
- EX. PAVEMENT
- EX. FENCE
- EX. OVERHEAD LINE
- EX. WATER LINE
- EX. SEWER LINE
- EX. BUILDING
- EX. STREAM
- EX. STREAM BUFFER
- EX. TREE LINE
- EX. GUARD RAIL
- EX. ELECTRIC CONDUIT
- EX. LIGHT POLES
- EX. GAS LINE
- EX. STORM DRAIN
- EX. CONDUIT
- EX. FIBER OPTIC
- EX. TV LINE
- PR. BUILDING FOOTPRINT
- PR. BUILDING OVERHANG
- PR. BUILDING SETBACK
- PR. EDGE OF CONCRETE
- PR. CURB
- PR. SIDEWALK
- PR. RETAINING WALL
- PR. POROUS PAVEMENT
- PR. IMPERVIOUS AREA

DESIGN NARRATIVE

NATURAL AREA PRESERVATIONS
THE PROPERTY IS 54.802 ACRES, BUT ONLY 8.54 ACRES IS PROPOSED TO BE DISTURBED. THE EXISTING NATURAL AREAS WITHIN THE PROPERTY VARY FROM STREAM CHANNELS, GRASS SWALES, SHEET FLOW TO WOODED AREAS, AND CONCENTRATED FLOWS THROUGH CLOSED STORM DRAIN SYSTEMS. FLOWS FROM THE SITE DISCHARGE INTO THE MIDDLE PATUXENT WATERSHED WHICH IS LOCATED ON THE NORTH EASTERLY PORTION OF THE SITE. THE NATURAL DRAINAGE PATTERNS WITHIN THE LIMIT OF DISTURBANCE WILL BE THREE DISTINCTIVE SITE OUTFALL WITH CONCENTRATED FLOWS STORM DRAINS, IMPERVIOUS AREAS, AND DRAINAGE CHANNEL. EVERY EFFORT WAS MADE TO CONSERVE AND ENHANCED THE NATURAL DRAINAGE PATTERNS FROM PRE TO POST CONDITION.

ESD STORMWATER REQUIREMENTS & ARCHITECTURE
THE STORM WATER MANAGEMENT REQUIREMENT FOR THIS 8.54 ACRE LIMIT OF DISTURBANCE WITHIN THE 54.802 ACRE SITE IS MET THROUGH THE IMPLEMENTATION OF VARIOUS ESD MICRO SCALE PRACTICES TO THE MEP. THE ESD ANALYSIS TO MEET THE REQUIRED NOV, REV, AND CPM FOR THE ENTIRE SITE IS PE-1'S, WITH A REQUIRED ESDV OF 24,718 CF, AND A REQUIRED FILTER (AF) OF 44,640 SF. THE ULTIMATE GOAL IS TO ACHIEVE "WOODS IN GOOD HYDROLOGICAL CONDITION" WHILE MAINTAINING THE NATURAL FLOW PATTERNS, RESOURCES PROTECTION, AND CONVEYING RUNOFF THROUGHOUT THE SITE AT A NON-EROSIVE VELOCITY.

PROPOSED SWM PRACTICES WITHIN THE LIMIT OF DISTURBANCE FOR THE PROPOSED IMPROVEMENT CONSIST OF VARIOUS MICRO-SCALE PRACTICES OF BIO-SWALES, MICRO-BIORETENTION FACILITIES, POROUS PAVEMENTS, AND RAINWATER HARVESTING. ALL THE MICRO-BIORETENTION FACILITIES AND BIO-SWALES WILL HAVE OVERFLOW INLETS TO CONVEY PEAK FLOWS TO THE SITE OUTFALLS IN A NON-EROSIVE VELOCITY. THE ESD MICRO-SCALE PRACTICES ARE DESIGNED TO MEET THE STORM WATER MANAGEMENT REQUIREMENT OF ESD TO THE MEP. THESE FACILITIES PROVIDE TREATMENT FOR WATER QUALITY, GROUNDWATER RECHARGE AND CHANNEL PROTECTION VOLUME.

APPROVED: DEPARTMENT OF PLANNING AND ZONING

John P. ...
CHIEF, DEVELOPMENT ENGINEERING DIVISION 12/21/11 DATE

Kurt ...
CHIEF, DIVISION & LAND DEVELOPMENT 11/30/11 DATE

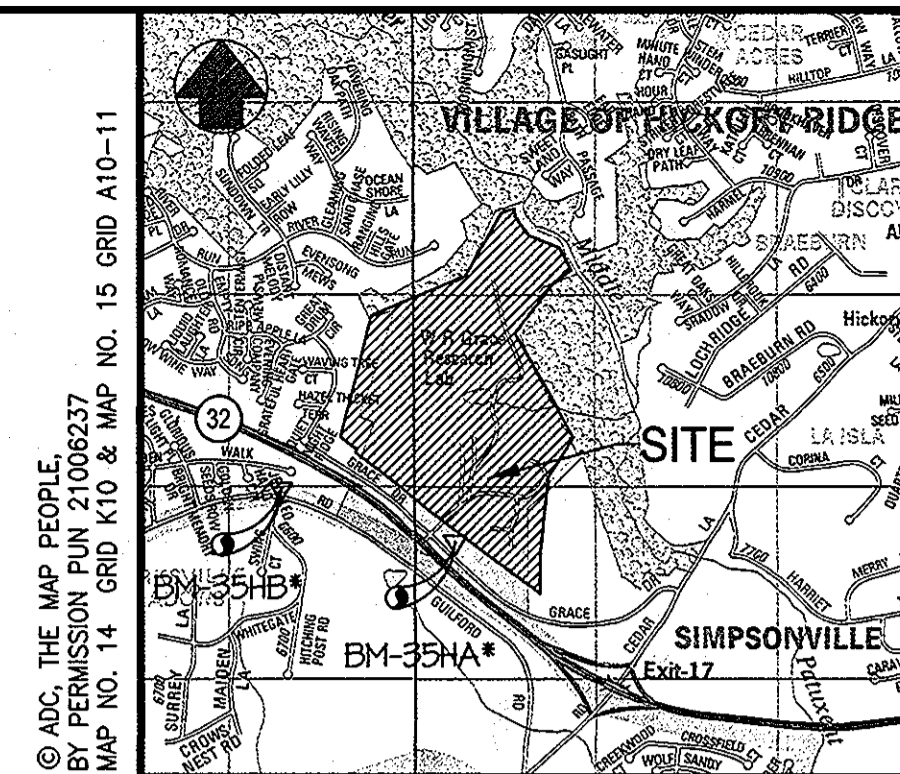
BENCH MARKS

BM 35HA*
N 553,966.7457 E 1,340,476.9524
NAD 83 (Adj 07)
NAVD 88
ELEV. 404.584

BEING A STAMPED BRASS OR ALUMINUM DISC SET ON TOP OF A 3 FOOT DEEP COLUMN OF CONCRETE APPROXIMATELY 90' NORTH OF GRACE DRIVE AND 160' EAST OF THE EASTERN MOST ENTRY DRIVE FOR THE PROPERTY. (ALSO KNOWN AS "R-109" AND "0068").

BM 35HB*
N 554,836.4156 E 1,337,888.3861
NAD 83 (Adj 07)
NAVD 88
ELEV. 449.699

BEING A STAMPED BRASS OR ALUMINUM DISC SET ON TOP OF A 3 FOOT DEEP COLUMN OF CONCRETE AT THE INTERSECTION OF GULFORD ROAD AND WHITEGATE ROAD, APPROXIMATELY 5'± NORTH OF GULFORD ROAD.



VICINITY MAP
SCALE: 1" = 2,000'

SHEET INDEX

| | |
|---|---|
| 1 | COVER SHEET |
| 2 | EXISTING FEATURES & NATURAL RESOURCES MAP |
| 3 | DEVELOPMENT CONCEPT PLAN |

SITE ANALYSIS DATA CHART

- | | |
|---|--|
| 1. TOTAL PROJECT AREA: | 54.80 ACRES |
| 2. AREA OF PLAN SUBMISSION: | 8.54 ACRES |
| 3. LIMIT OF DISTURBANCE: | 8.54 ACRES |
| 4. PRESENT ZONING: | PEC |
| 5. PROPOSED USE: | OFFICE CAMPUS |
| 6. PROPOSED FLOOR SPACE: | 78,000 S.F.± |
| 7. TOTAL NUMBER OF PARKING SPACES REQUIRED: (149 SPACES FOR EX. BUILDING TO BE REMOVED AND REPLACED) (258 SPACES REQUIRED FOR BLDG. ADDITION FOR OFFICE) @ 3.3 SPACES/1,000 SF | 407 |
| 8. PARKING SPACES PROVIDED: | 418 INCL. 12 HC SPACES (12 REQUIRED) AND 80 SMALL CAR (COMPACT) PARKING SPACES |
| 9. DPZ FILE REFERENCES: | F-10-023, P.N. 21234-21239 WP-09-227 |
| 10. SANITARY SEWER/WATER SERVICE: | PUBLIC/PUBLIC |

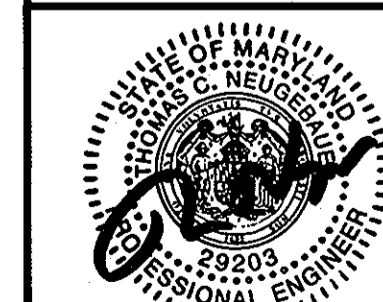
| ADDRESS CHART | |
|-------------------------|------------------|
| LOT/PARCEL # | STREET ADDRESS |
| PARCEL A, TM PARCEL 145 | 7500 GRACE DRIVE |

| PERMIT INFORMATION CHART | | | | |
|--------------------------|--------|-------------|-------------|--------------|
| SUBDIVISION NAME | | | | PARCEL NO. |
| GRACE TECH PARK | | | | PARCEL A |
| PLAT # OR L/F | GRID # | ZONING | TAX MAP NO. | ELECT. DIST. |
| PLAT #21234-21239 | 22 | PEC | 35 | 5 |
| CENSUS TRACT | | | | |
| 6055.11 | | | | |
| WATER CODE: | | SEWER CODE: | | |
| N/A | | N/A | | |

SHEET: ECP-01



MORRIS & RITCHE ASSOCIATES, INC.
ENGINEERS, PLANNERS, SURVEYORS AND LANDSCAPE ARCHITECTS
14280 PARK CENTER DRIVE
LAUREL, MD 20707
(410) 792-9792 / (301) 776-1690
FAX: (410) 792-7395



MRAGTA.COM
GRACE TECH PARK, PARCEL A
OFFICE BUILDING
ENVIRONMENTAL CONCEPT PLAN
COVER SHEET

ECP-12-014
TAX MAP 35 ~ PARCEL 145 PARCEL A
TAX ASSESSMENT DISTRICT 05 ~ ZONING PEC
7500 GRACE DRIVE, COLUMBIA, MARYLAND 21044-4098 ~ HOWARD COUNTY

| DATE | REVISIONS | JOB NO.: | SCALE: |
|------|-----------|----------|------------------|
| | | 12039 | AS SHOWN |
| | | | DATE: 11/28/2011 |
| | | | DRAWN BY: RAH |
| | | | DESIGN BY: MK |
| | | | REVIEW BY: TCN |
| | | | SHEET: 1 OF 3 |

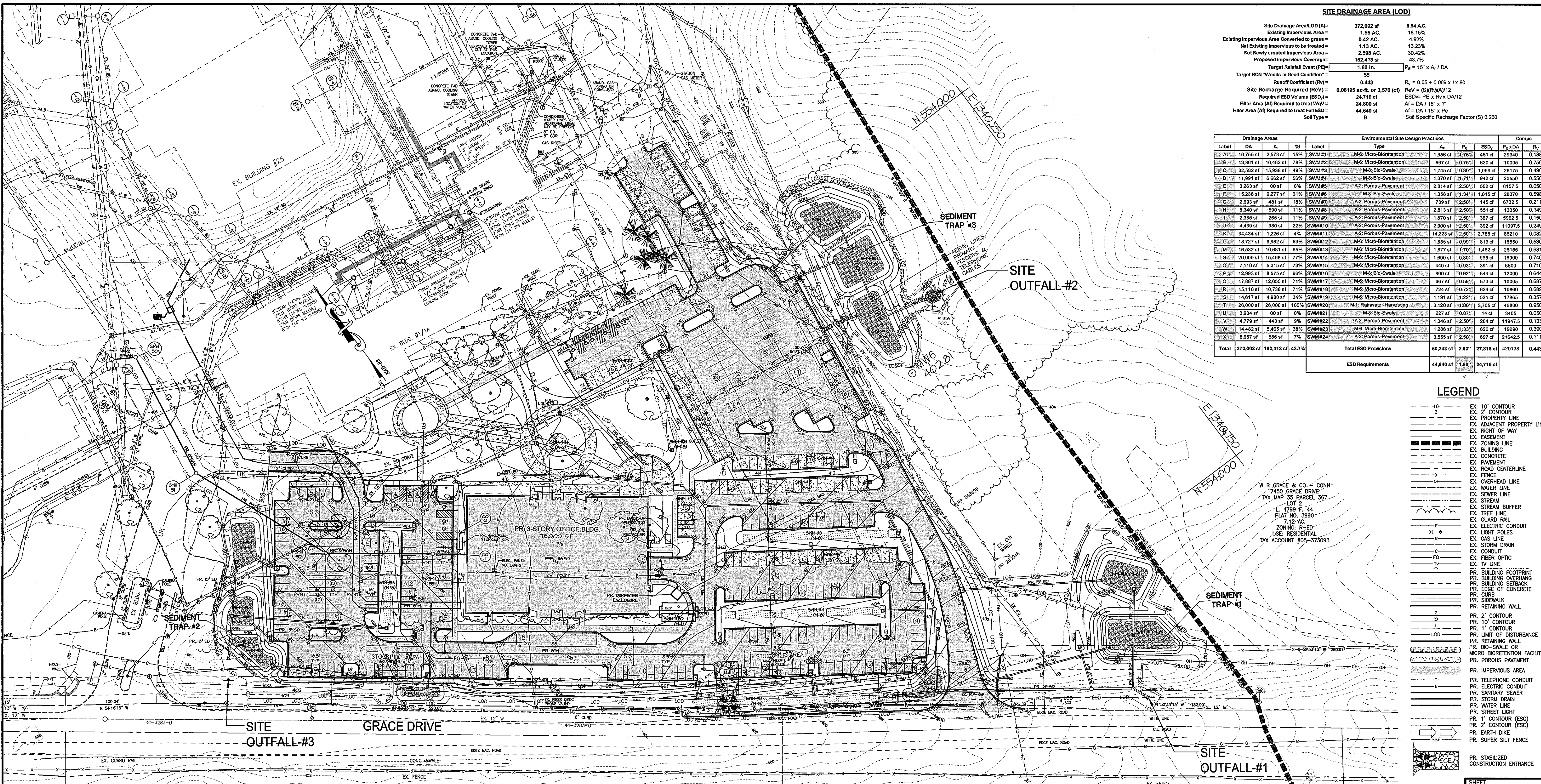
OWNER / APPLICANT / DEVELOPER:

GRACE
ADDRESS: 7500 GRACE DRIVE
COLUMBIA, MARYLAND 21044
CONTACT: MR. NIZAM USTA
PHONE: 617-277-2145

MD PROFESSIONAL
CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 29203. EXPIRATION DATE: 06/16/2015.

ECP-12-014



SITE DRAINAGE AREA (LOD)

| | | |
|---|------------------------------|--|
| Site Drainage Area (LOD) = | 372,002 sf | 8.54 AC. |
| Existing Impervious Area = | 1,155 AC. | 10.15% |
| Existing Impervious Area Converted to grass = | 0.42 AC. | 4.92% |
| Net Existing Impervious Area to be treated = | 1.13 AC. | 13.23% |
| Net Newly created Impervious Area = | 2,598 AC. | 30.42% |
| Proposed Impervious Coverage = | 162,413 sf | 43.7% |
| Target Rainfall Depth (P ₂) = | 1.80 in. | P ₂ = 15" x A ₁ / DA |
| Target RCN "Woods in Good Condition" = | 55 | R ₂ = 0.05 + 0.009 x 1 x 90 |
| Runoff Coefficient (R _v) = | 0.443 | ReV = (S/R _v)/A _v 12 |
| Site Recharge Required (ReV) = | 0.08195 ac-ft. or 3,570 (cf) | ESD ₂ = PE x R _v x DA/12 |
| Required ESD Volume (ESD ₂) = | 24,716 cf | A _f = DA / 15" x 1" |
| Filter Area (A _f) Required to treat ReV = | 24,800 sf | A _f = DA / 15" x P _e |
| Filter Area (A _f) Required to treat Full ESD ₂ = | 44,640 sf | Soil Specific Recharge Factor (S) 0.260 |
| Soil Type = | B | |

| Drainage Areas | | | Environmental Site Design Practices | | | | Comps | | | |
|----------------------|------------|----------------|-------------------------------------|--------|---------------------------|----------------|----------------|------------------|---------------------|----------------|
| Label | DA | A _i | % | Label | Type | A _e | P _e | ESD ₂ | P _e x DA | R _v |
| A | 16,755 sf | 2,578 sf | 15% | SWM#1 | M-6: Micro-Bioretenion | 1,956 sf | 1.75" | 461 cf | 29340 | 0.188 |
| B | 13,361 sf | 10,482 sf | 78% | SWM#2 | M-6: Micro-Bioretenion | 867 sf | 0.75" | 630 cf | 10005 | 0.758 |
| C | 32,362 sf | 15,936 sf | 49% | SWM#3 | M-6: Bio-Swale | 1,745 sf | 0.80" | 1,059 cf | 26175 | 0.490 |
| D | 11,991 sf | 6,862 sf | 58% | SWM#4 | M-6: Bio-Swale | 1,370 sf | 1.71" | 942 cf | 10550 | 0.550 |
| E | 3,263 sf | 00 sf | 0% | SWM#5 | A-2: Porous-Pavement | 2,814 sf | 2.50" | 525 cf | 6157.5 | 0.050 |
| F | 15,236 sf | 9,277 sf | 61% | SWM#6 | M-6: Bio-Swale | 1,358 sf | 1.34" | 1,015 cf | 20370 | 0.598 |
| G | 2,683 sf | 481 sf | 18% | SWM#7 | A-2: Porous-Pavement | 738 sf | 2.50" | 145 cf | 6732.5 | 0.211 |
| H | 5,340 sf | 990 sf | 11% | SWM#8 | A-2: Porous-Pavement | 2,813 sf | 2.50" | 551 cf | 13350 | 0.149 |
| I | 2,385 sf | 265 sf | 11% | SWM#9 | A-2: Porous-Pavement | 1,870 sf | 2.50" | 367 cf | 5962.5 | 0.150 |
| J | 4,439 sf | 980 sf | 22% | SWM#10 | A-2: Porous-Pavement | 2,000 sf | 2.50" | 392 cf | 11097.5 | 0.249 |
| K | 34,484 sf | 1,226 sf | 4% | SWM#11 | A-2: Porous-Pavement | 14,223 sf | 2.50" | 2,788 cf | 88210 | 0.082 |
| L | 18,727 sf | 9,882 sf | 53% | SWM#12 | M-6: Micro-Bioretenion | 1,855 sf | 0.99" | 818 cf | 18550 | 0.530 |
| M | 16,532 sf | 10,881 sf | 65% | SWM#13 | M-6: Micro-Bioretenion | 1,877 sf | 1.70" | 1,482 cf | 28155 | 0.631 |
| N | 20,000 sf | 15,468 sf | 77% | SWM#14 | M-6: Micro-Bioretenion | 1,600 sf | 0.80" | 995 cf | 16000 | 0.746 |
| O | 7,110 sf | 5,215 sf | 73% | SWM#15 | M-6: Micro-Bioretenion | 440 sf | 0.93" | 391 cf | 6600 | 0.710 |
| P | 12,993 sf | 8,575 sf | 66% | SWM#16 | M-6: Bio-Swale | 800 sf | 0.82" | 644 cf | 12000 | 0.644 |
| Q | 17,887 sf | 12,955 sf | 71% | SWM#17 | M-6: Micro-Bioretenion | 687 sf | 0.96" | 573 cf | 10005 | 0.697 |
| R | 13,110 sf | 10,738 sf | 71% | SWM#18 | M-6: Micro-Bioretenion | 724 sf | 0.72" | 624 cf | 10860 | 0.680 |
| S | 14,817 sf | 4,880 sf | 34% | SWM#19 | M-6: Micro-Bioretenion | 1,191 sf | 1.22" | 531 cf | 17865 | 0.357 |
| T | 26,000 sf | 26,000 sf | 100% | SWM#20 | M-1: Rainwater-Harvesting | 3,120 sf | 1.00" | 3,705 cf | 46900 | 0.950 |
| U | 3,934 sf | 00 sf | 0% | SWM#21 | M-6: Bio-Swale | 227 sf | 0.87" | 14 cf | 3405 | 0.050 |
| V | 4,779 sf | 443 sf | 9% | SWM#22 | A-2: Porous-Pavement | 1,346 sf | 2.50" | 264 cf | 11947.5 | 0.133 |
| W | 14,482 sf | 5,465 sf | 38% | SWM#23 | M-6: Micro-Bioretenion | 1,286 sf | 1.33" | 626 cf | 19290 | 0.390 |
| X | 8,657 sf | 896 sf | 7% | SWM#24 | A-2: Porous-Pavement | 3,555 sf | 2.50" | 697 cf | 21642.5 | 0.111 |
| Total | 372,002 sf | 162,413 sf | 43.7% | | | | | | | |
| Total ESD Provisions | | | | | | 50,243 sf | 2.03" | 27,818 cf | 420138 | 0.443 |
| ESD Requirements | | | | | | 44,640 sf | 1.80" | 24,716 cf | | |

LEGEND

| | |
|------------|--|
| --- 10 --- | EX. 10' CONTOUR |
| --- 2 --- | EX. 2' CONTOUR |
| --- | EX. PROPERTY LINE |
| --- | EX. ADJACENT PROPERTY LINE |
| --- | EX. RIGHT OF WAY |
| --- | EX. EASEMENT |
| --- | EX. ZONING LINE |
| --- | EX. BUILDING |
| --- | EX. CONCRETE |
| --- | EX. PAVEMENT |
| --- | EX. ROAD CENTERLINE |
| --- | EX. FENCE |
| --- | EX. OVERHEAD LINE |
| --- | EX. WATER LINE |
| --- | EX. SEWER LINE |
| --- | EX. STREAM |
| --- | EX. STREAM BUFFER |
| --- | EX. TREE LINE |
| --- | EX. GUARD RAIL |
| --- | EX. ELECTRIC CONDUIT |
| --- | EX. LIGHT POLES |
| --- | EX. GAS LINE |
| --- | EX. STORM DRAIN |
| --- | EX. CONDUIT |
| --- | EX. FIBER OPTIC |
| --- | EX. TV LINE |
| --- | PR. BUILDING FOOTPRINT |
| --- | PR. BUILDING OVERHANG |
| --- | PR. BUILDING SETBACK |
| --- | PR. EDGE OF CONCRETE |
| --- | PR. CURB |
| --- | PR. SIDEWALK |
| --- | PR. RETAINING WALL |
| --- | PR. 2' CONTOUR |
| --- | PR. 10' CONTOUR |
| --- | PR. 1' CONTOUR |
| --- | PR. LIMIT OF DISTURBANCE |
| --- | PR. RETAINING WALL |
| --- | PR. BIO-SWALE OR MICRO BIORETENTION FACILITY |
| --- | PR. POROUS PAVEMENT |
| --- | PR. IMPERVIOUS AREA |
| --- | PR. TELEPHONE CONDUIT |
| --- | PR. ELECTRIC CONDUIT |
| --- | PR. SANITARY SEWER |
| --- | PR. STORM DRAIN |
| --- | PR. WATER LINE |
| --- | PR. STREET LIGHT |
| --- | PR. 1' CONTOUR (ESC) |
| --- | PR. 2' CONTOUR (ESC) |
| --- | PR. EARTH DIKE |
| --- | PR. SUPER SILT FENCE |
| --- | PR. STABILIZED CONSTRUCTION ENTRANCE |

STATE OF MARYLAND
STATE HIGHWAY ADMINISTRATION
DEPARTMENT OF TRANSPORTATION
L 3347 F. 408
(SHA-PLATS 52408, 53059, 53313)

MD RT. 32 - WB

MD RT. 32 - EB

CONCEPT PLAN VIEW
SCALE: 1"=50'

W R GRACE & CO. - CONN.
7450 GRACE DRIVE
TAX MAP 35 PARCEL 367
L 4799 F. 44
PLAT NO. 3990
7.12 AC.
ZONING: P-ED
USE: RESIDENTIAL
TAX ACCOUNT #05-373093

APPROVED: DEPARTMENT OF PLANNING AND ZONING

12/2/11
DATE

11/30/11
DATE

CHIEF, DEVELOPMENT ENGINEERING DIVISION

CHIEF, DIVISION & LAND DEVELOPMENT

OWNER / APPLICANT / DEVELOPER:

GRACE
ADDRESS: 7500 GRACE DRIVE
COLUMBIA, MARYLAND 21044
CONTACT: MR. NIZAM USTA
PHONE: 617-277-2145

MRA MORRIS & RITCHIE ASSOCIATES, INC.
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14280 PARK CENTER DRIVE
LAUREL, MD 20707
(410) 792-9792 / (301) 776-1690
FAX: (410) 792-7395
MRAGTA.COM

GRACE TECH PARK, PARCEL A
OFFICE BUILDING
ENVIRONMENTAL CONCEPT PLAN
CONCEPT PLAN

ECP-12-014
TAX MAP 35 ~ PARCEL 145 PARCEL A
TAX ASSESSMENT DISTRICT 05 ~ ZONING PEC
7500 GRACE DRIVE, COLUMBIA, MARYLAND 21044-4098 ~ HOWARD COUNTY

| DATE | REVISIONS | JOB NO.: | 12039 |
|------|-----------|------------|------------|
| | | SCALE: | 1" = 50' |
| | | DATE: | 11/28/2011 |
| | | DRAWN BY: | RAH |
| | | DESIGN BY: | MK |
| | | REVIEW BY: | TCN |
| | | SHEET: | 3 OF 3 |

MD PROFESSIONAL CERTIFICATION: 11-28-11

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 29203, EXPIRATION DATE: 06/16/2013.

ECP-12-014

P:\PROJ\12039 GRACE TECH PARK\SET\CONCEPT\PLAN SETS\ECP-03-CONCEPT.dwg, 11/28/2011 10:29:47 AM, mtdmm, 11, Copyright 2011 Morris & Ritchie Associates, Inc.